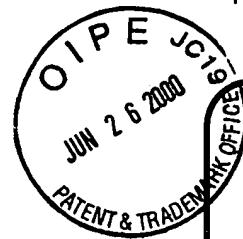


Please type a plus sign (+) inside this box →

Approved for use through 09/30/2000. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission **7**

Application Number	09/267,719
Filing Date	March 11, 1999
First Named Inventor	A. Wesley Burks, Jr.
Group Art Unit	1616
Examiner Name	Not yet assigned
Total Number of Pages in This Submission	7
Attorney Docket Number	HS 110

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Additional Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Information Disclosure Statement	<input checked="" type="checkbox"/> Small Entity Statement	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
	Remarks	Enclosed are a Power of Attorney by Assignee of Undivided Part Interest and Revocation of Prior Powers, and Statement Claiming Small Entity Status for each of assignee The Board of Trustees of the University of Arkansas, and assignee Mount Sinai School of Medicine of New York University, and a Statement Claiming Small Entity Status for licensee Panacea Pharmaceuticals, LLC

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Patrea L. Pabst, Esq.; Arnall Golden & Gregory, LLP 2800 One Atlantic Center, 1201 West Peachtree Street, Atlanta, Georgia 30309-3450
Signature	
Date	June 19, 2000

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: **June 19, 2000**

Typed or printed name	Sunny G. Johns		
Signature		Date	June 19, 2000

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U.S.S.N.: 09/267,719

Filed: March 11, 1999

Response to Notice to Comply with Requirements for Patent Applications
Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures
and Declaration under 37 C.F.R. § 1.821 (f)



Certificate of Mailing under 37 CFR § 1.8(a)

I hereby certify that this Response to Notice to Comply With Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures, Amendment and Declaration under 37 C.F.R. § 1.821 (f), along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on the date shown below with sufficient postage as first-class mail in an envelope addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Date: June 19, 2000

Julie A. Tennyson
Julie A. Tennyson



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/267,719	03/11/99	BURKS	A ARK000741000 HS 100

DANIEL R ALEXANDER
HEAD JOHNSON & KACHIGIAN
E J BALL PLAZA SUITE 230
112 WEST CENTER STREET
FAYETTEVILLE AR 72701

HM12/0410

EXAMINER

DIBRINO, M

ART UNIT

PAPER NUMBER

1644

5

DATE MAILED: 04/10/00



Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

DOCKETED FOR ① 5-10-00 Rsp due
BY J. STINES-HATCHER ② 6-10-00 Rsp w/1 eot
DATE 4-20-00 ③ 7-10-00 Rsp w/2 eot
④ 8-10-00 Rsp w/3 eot
⑤ 9-10-00 Rsp w/4 eot
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UNITED STATES DEPARTMENT OF COMMERCE
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Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.



EXAMINER	
ART UNIT	PAPER NUMBER

DATE MAILED:

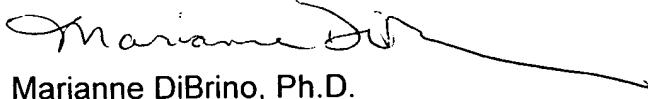
Please find below a communication from the EXAMINER in charge of this application

This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 CFR 1.821(a)(1) and (a)(2). However, this application fails to comply with the requirements of 37 CFR 1.821 through 1.825 for the reason(s) set forth on the attached Notice To Comply With Requirements For Patent Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures. No CRF has been submitted. In addition, Applicants are required to amend the specification to list the appropriate SEQ ID NOS for sequences disclosed in the specification (for example, page 21 (in Table 1), page 123, Figure Legends). 37 CFR 1.821(d).

Any inquiry concerning this communication should be directed to Examiner **Marianne DiBrino**, Art Unit 1644, whose telephone number is 703-308-0061.

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (703) 308-0196.

APPLICANT IS GIVEN A ONE MONTH EXTENDABLE PERIOD WITHIN WHICH TO COMPLY WITH THE SEQUENCE RULES, 37 CFR 1.821 - 1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 CFR 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136. In no case may an applicant extend the period for response beyond the six month statutory period. Applicant is requested to return a copy of the attached Notice to Comply with the response.


Marianne DiBrino, Ph.D.


CHRISTINA Y. CHAN
SUPERVISORY PATENT EXAMINER
GROUP 1800 16K0

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- 7. Other: _____

Applicant Must Provide:

- An ~~initial or substitute~~ computer readable form (CRF) copy of the "Sequence Listing".
- An ~~initial or substitute~~ paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

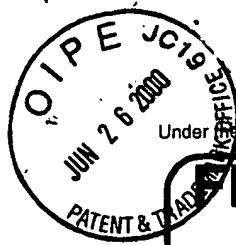
For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support (SIRA)

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To Purchase PatentIn Software.....703-306-2600

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PTO/SB/17 (12-98)

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

EE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.
Small Entity payments must be supported by a small entity statement,
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

TOTAL AMOUNT OF PAYMENT (\$)

Complete if Known

Application Number	09/267,719
Filing Date	March 11, 1999
First Named Inventor	A. Wesley Burks, Jr.
Examiner Name	M. Dibrino
Group / Art Unit	1644
Attorney Docket No.	HS 110

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 01-2507
Deposit Account Name Amall Golden & Gregory, LLP

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

2. Payment Enclosed:

Check Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101 890	201 388	Utility filing fee	
106 310	206 155	Design filing fee	
107 480	207 240	Plant filing fee	
108 880	208 388	Reissue filing fee	
114 150	214 75	Provisional filing fee	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES

Total Claims	-20	=	Extra Claims	X	Fee from below	Fee Paid
Independent Claims	-3	=		X		
Multiple Dependent						

or number previously paid, if greater; For Reissues, see below

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 78	202 39	Independent claims in excess of 3
104 260	204 130	Multiple dependent claim, if not paid
109 78	209 39	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet.	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 380	216 190	Extension for reply within second month	
117 870	217 435	Extension for reply within third month	
118 1,360	218 680	Extension for reply within fourth month	
128 1,850	228 925	Extension for reply within fifth month	
119 300	219 150	Notice of Appeal	
120 300	220 150	Filing a brief in support of an appeal	
121 260	221 130	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,210	241 605	Petition to revive - unintentional	
142 1,210	242 605	Utility issue fee (or reissue)	
143 430	243 215	Design issue fee	
144 580	244 290	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Petitions related to provisional applications	
126 240	126 240	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
146 880	246 386	Filing a submission after final rejection (37 CFR 1.129(a))	
149 880	249 386	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify) _____

**Represents the difference between the fee for a month extension of time and a month extension of time.

Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 190

SUBMITTED BY

Typed or Printed Name

Patreia L. Pabst

Complete (if applicable)

Reg. Number 31,284

Signature

Date 6/19/2000

Deposit Account User ID 01-2507

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